

In today's Jordan Times...

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Oil for Petra admirers?: Page 3
Letter to the readers: Page 4
Your food poisoned?: Page 5
Inflation reaches 11.5%: Page 6
Is come-back fight in December: Page 8
More guillotine deaths in France: Page 8

Jordan Times

An independent Arab political daily published by the Jordan Press Foundation

جوردان تايمز يومية سياسية مستقلة عن المؤسسة الصحفية الاردنية "الرأي"

Today's Weather
It will be warm, with northwesterly moderate winds. In Aqaba, winds will be northerly moderate and seas calm.
Overnight Low High
Daytime High
Amman 15 31
Aqaba 22 35
Deserts 17 35
Jordan Valley 21 36
Yesterday's high temperatures: Amman 30, Aqaba 34. Humidity readings: Amman 25 per cent, Aqaba 38 per cent.

e 6, Number 1763

AMMAN, SUNDAY SEPTEMBER 20, 1981 — DUL QAIIDA 22, 1401

Price: Jordan 100 fils; Syria 1 pound; Lebanon 1 pound; Saudi Arabia 1.50 riyals; UAE 1.50 dirhams; Great Britain 25 pence

pledges support for Sudan against Libya

Sept. 19 (R) — Egypt today pledged support for Sudan and against Libya...

interest to go up

Sept. 19 (R) — France tightened foreign controls and decided interest rates in an attempt to avoid a devaluation...

exodus of refugees in Cairo

Sept. 19 (R) — The exodus from Egypt continued with the departure of another group of airport officials...

trade, Tehran to cement ties

TEHRAN, Sept. 19 (R) — Iran and Iraq have agreed to cement ties...

Badran meets Jordan-PLO team

AMMAN, Sept. 19 (Petra) — Ways of developing Jordanian-Palestinian relations were discussed at a meeting today between Prime Minister Mudar Badran and the Jordanian Palestinian Joint Committee...

Arab front to upgrade Soviet ties to counter U.S.-Israeli strategy

DAMASCUS, Sept. 19 (A.P.) — Four Arab nations and the Palestine Liberation Organisation (PLO) ended a three-day summit in the Libyan port city of Benghazi...

Tehran throws out 39 presidential candidates

LONDON, Sept. 19 (R) — The Iranian interior ministry today named the five candidates who will contest the Oct. 2 election for a successor to assassinated President Mohammad Ali Rajai...

Moscow demands immediate return of captive soldier in South Africa

MOSCOW, Sept. 19 (Agencies) — The Soviet Union acknowledged today that South Africa had captured one of its soldiers in the latest South African incursion into Angola...

Arafat says ex-envoy is dismissed, calls attack 'crime against Islam'

VIENNA, Sept. 19 (R) — The Palestine Liberation Organisation (PLO) has sacked the former head of its Vienna office, Ghazi Hussain...

Israel to hang on to old guns when autonomy talks resume

TEL AVIV, Sept. 19 (R) — Israel will have no new proposals to present when talks on Palestinian autonomy reconvene in Cairo next week, chief negotiator Yosef Burg said today.

He told an Israel Radio interviewer that Israel would put forward its former positions, which were rejected by Egypt. "If our previous proposals were good ones, there is no need to come with new ones...



Yosef Burg showed the duties of the different departments of the autonomous council-labour, transport, welfare, health, education, religious affairs, local authorities...

the Palestinians, effectively demanding a fully autonomous West Bank state. Dr. Burg said next week's meeting would concentrate on setting out a timetable for the negotiations...

Crocker to attend Namibian talks

WASHINGTON, Sept. 19 (R) — U.S. Assistant Secretary of State Chester Crocker will fly to Zurich tonight for talks next week with South African officials to clarify details of an independence plan for Namibia...

Hai Nazzal centre plans crafts exhibition

AMMAN, Sept. 19 (J.T.) — The mother of the late Queen Alia, Mrs. Hanan Touqan, will open the second exhibition of handicrafts and embroidery organised by the Hai Nazzal community centre in Amman on Sept. 26...

Hounded Springboks play clandestine game

RACINE, Wisconsin, Sept. 19 (Agencies) — The South African rugby team played the opening game of a U.S. tour today with only minor inconvenience from a handful of anti-apartheid protesters...

to the town of Racine to play on a ground at the edge of Lake Michigan. They apparently used secret passwords at checkpoints to find their way to the venue.

Dayan urges Washington to include Saudi Arabia, Egypt in joint strategy

TEL AVIV, Sept. 19 (R) — Former Israeli defence and foreign minister Moshe Dayan urged the United States today to expand its proposed strategic cooperation agreement with Israel, to include Saudi Arabia and Egypt.

Two protesters were arrested in a scuffle on the pitch near the end of the game, but play was held up for no more than two minutes. On the sidelines, a small group of demonstrators chanted "apartheid ambassadors get the hell out" and waved placards saying "Down with the Springboks."

Sierra Leone teachers, workers go on rampage

FREETOWN, Sierra Leone, Sept. 19 (R) — Looting and violence broke out in the northern provincial capital of Makeni after a visit by President Siaka Stevens, travellers arriving from the area said today.

Reagan, Trudeau agree to ease energy friction

GRAND RAPIDS, Michigan, Sept. 19 (R) — President Reagan and Canadian Prime Minister Pierre Trudeau have agreed to try to ease friction between the two countries over Canada's controversial new energy policy, Canadian officials said.

MIDDLE EAST NEWS BRIEFS

Qatari royal family member reported missing in London

LONDON, Sept. 19 (A.P.) — A teenage girl member of the ruling family of Qatar is missing in London, Scotland Yard said today. The girl is believed to be somewhere in the city.

Indonesia expresses support for Palestinians, Arabs

INDONESIA, Sept. 19 (A.P.) — Indonesia supports the Palestinian and Arab peoples "as always in their struggles for rights and justice in the Middle East," President Suharto said today.

Sheikh Jaber concludes East European trip

DUBROVNIK, Yugoslavia, Sept. 19 (R) — The Emir of Kuwait, Sheikh Jaber Al Ahmad Al Sabah, left here today for home after a four-day official visit to Yugoslavia which included talks with the country's leaders on world political and economic issues...

NATIONAL

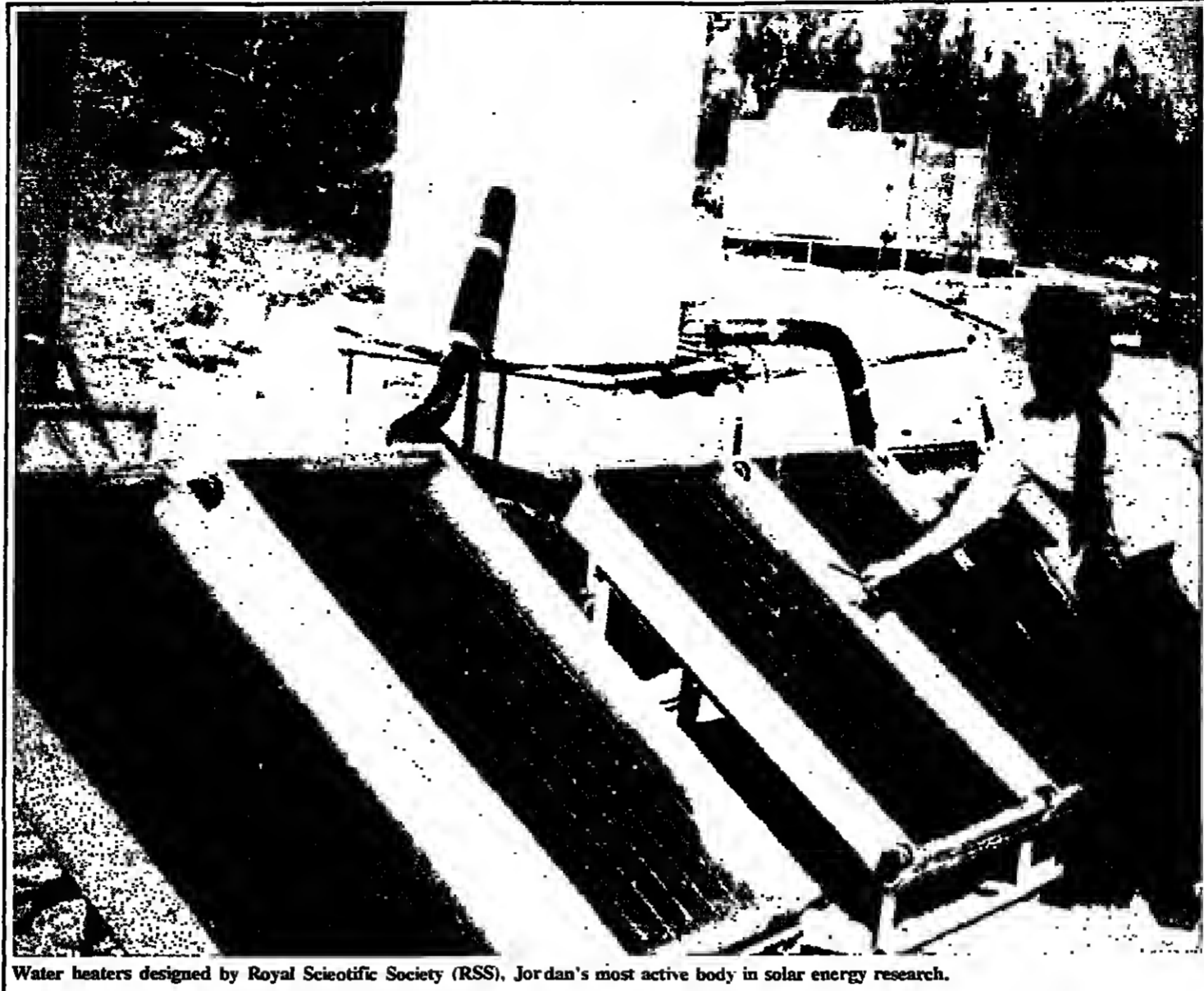
Solar energy, oil shale: Jordan's renewable resources

By Mohammad Ayish Special to the Jordan Times

AMMAN — Jordan has great resources of new and renewable energy that could be used to relieve the country's heavy dependence on imported oil, according to the director of the Energy Department at the Ministry of Industry and Trade, Dr. Ibrahim Badran, who returned late last month from a U.N.-sponsored conference on renewable sources of energy in Nairobi.

"Solar energy is the most important renewable alternative source of energy available in Jordan," Dr. Badran told the Jordan Times. He explained that each year, Jordan has an average of 300 sunny days a year, compared to only 100 sunny days in Britain. Another ample source of energy in Jordan is oil shale, reserves of which are estimated at 1,300 million tonnes. "The Jordanian government is very keen on developing local energy resources, and special attention has been given to solar energy," Dr. Badran said. The Royal Scientific Society (RSS) is Jordan's most active body

in solar energy research, particularly in space heating, water heating, water desalination and space cooling applications. Dr. Badran said that in association with the University of Jordan, his energy department has also worked on the use of solar energy in the extraction of potash from the water of the Dead Sea. The exploitation of oil shale, has also received considerable attention, according to Dr. Badran. He explained that agreements have been signed with Soviet and West German organisations for the exploration of shale in the Lejloun area 90 kilometres south of Amman.



Water heaters designed by Royal Scientific Society (RSS), Jordan's most active body in solar energy research.

The Nairobi conference on energy defined renewable sources of energy as including solar energy, wind energy, nuclear energy, hydro-power, tidal and wave energy, biogas energy, shale oil, tar sand, geothermal energy, fuel wood, alcoholic fuel and synthetic fuel. "Keen interest was expressed in these resources because they are distributed almost all over the world — in contrast to oil, gas and coal, which are located only in certain areas of the planet," Dr. Badran pointed out. He added that the Nairobi conference confirmed its discussions to those renewable energy sources because the conventional, non-renewable sources are already developed technically and commercially, while the new resources are still open to development. The conference, the first of its kind, was attended by some 3,000 delegates from most of the U.N.'s 154 member states. Dr. Badran said that each participating country submitted a paper on its own

local renewable energy sources. "Like every other country, Jordan presented its own paper on energy resources in the country, as well as the government's efforts to develop these resources," he said. The Nairobi conference was divided into four parts, the first of which was the submission of the papers on each country's potential renewable energy sources. The second part, Dr. Badran said, was a discussion and debate of the topics raised in the papers. "At that stage of the conference, the Jordanian delegation exposed the illegality of the Israeli project to construct a canal linking the Mediterranean with the Dead Sea," Dr. Badran said. "We also explained to the other delegations that the 'Med-Dead' canal project, which was discussed in an Israeli paper, was a flagrant Israeli aggression on Jordanian interests and the occupied Arab lands." The third part of the conference was devoted to the work of sub-committees drafting final resolutions, while the fourth part com-

prised seminars in which purely technical matters were discussed. At the end of its sessions, the conference called on Israel to drop its \$600 million scheme to generate hydroelectric power by driving a canal from the Mediterranean to the Dead Sea. It also stressed that all states, including Iraq (whose nuclear reactor project was bombed by Israel on June 7), had the right to establish nuclear programmes to develop their industries and economies for peaceful purposes. On the technical level, the conference called for intensified efforts to develop renewable energy sources in the developing countries, as alternatives to the world's dwindling oil resources. "The conference was held not to discuss purely technical matters, but to create the necessary awareness of the importance and vitality of the energy question to developing countries," Dr. Badran said. Another goal set by the conference, he added, was to decide on a plan of action based on

national, regional and international considerations. This would serve as a programme of how to go about finding new resources, developing and organising them through an "institutional frame of action." Energy drain in Jordan According to statistics available at Jordan's Energy Department, energy consumption in Jordan had grown from 0.45 million tonnes of petroleum in 1970 to about 2 million tonnes in 1980. This makes the average annual growth in oil consumption in the past decade about 15 per cent. Energy use per capita rose from 286 kilograms of oil in 1970 to 880 kilograms in 1980, and it is expected to reach 1,350 kilos by 1990. The increasing consumption of oil as well as soaring prices brought the oil bill to JD 100 million in 1980, and the total oil bill for the coming decade is expected to reach JD 3 billion.

At present, the energy bill in Jordan constitutes about 11 per cent of gross national product, and was equivalent to about 100 per cent of exports in 1980. The major consumer of petroleum energy is the transport sector, which takes about 50 per cent. Other large energy-users include electricity generation (15 per cent), industry (15 per cent), domestic use (14 per cent), and other categories accounting for per cent.

IDB crafts support detailed

AMMAN, Sept. 19 (Petra) — The Craftsmen's fund of the Industrial Development Bank extended 550 loans, amounting to JD 1,139,000, during the last five-year development plan (1976-1980). A spokesman for the bank said that the maximum loan amount was recently raised from JD 2,000 to JD 3,000, and then was again raised to JD 4,000.

Mauritania to get help from CAEU in statistics

AMMAN, Sept. 19 (Petra) — An agreement for technical aid in statistical studies was signed this week at the headquarters of the Council for Arab Economic Unity (CAEU) between the CAEU and Mauritania. CAEU Secretary General Fakhr Qaddouri signed the agreement for the CAEU, and the head of the Mauritania department of statistics and auditing, Mr. Assame Ould Mohammed, signed for his government. According to the agreement, the CAEU will provide the necessary help in developing and training staff to work in the field of statistics in Mauritania, including specialised experts and technicians, and will hold training courses to train staff employed in demographic statistics and industrial surveys.

POSITIONS VACANT Jerusalem International Hotel, Melia needs: CHAMBER MAIDS -WAITRESSES

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JORDAN TIMES DAILY GUIDE

JORDAN TELEVISION

CHANNEL 3

- 5:30 Koran
5:45 Cartoon
6:05 Children's programme (Fang Face)
6:50 Take Heart
7:10 Programme preview
7:30 Local programme
8:00 News in Arabic
8:30 Arabic series
9:30 Sports & Youth
10:15 Quinzy
11:00 News in Arabic

CHANNEL 6

- 6:00 French programme
7:00 News in French
7:30 News in Hebrew
8:00 News in Arabic
8:30 Comedy (Man about the House)
9:10 Edward the Seventh
10:00 News in English
10:15 Quinzy

RADIO JORDAN 855 KHz, AM & 99 MHz, FM

- 7:00 Sign on
7:01 Morning Show
7:30 News Bulletin
7:40 Morning Show
10:00 News Headlines
10:30 Pop Session
11:00 Sign off
12:00 News Headlines
12:03 Pop Session
13:03 News Summary
14:03 Pop Session
14:00 News Bulletin
14:10 Instruments
14:30 French Pop Stars
15:00 Concert Hour
16:00 News Summary
16:03 Instrumentals
16:30 Old Favourites
17:30 Listener's Choice
18:00 News Summary
18:30 Jazz Hour
19:00 Newsdesk
19:30 Music
20:00 Evening Show
21:00 News Summary
21:03 Evening Show
22:00 Close down

BBC WORLD SERVICE 639, 720, 1413 KHz

GMT

- 04:00 Newsdesk 04:30 Moment Musical 04:45 Financial Review 04:55 Reflections 05:00 World News; British Press Review 05:15 Stereo 05:30 The Maid of the Mist 05:45 Letter from America 06:00 Newsdesk 06:30 Jazz for the asking 07:00 World News; News about Britain 07:15 From Our Own Correspondent 07:30 Classical Record Review 07:45 Washington Square 08:00 World News; Reflections 08:15 The Pleasure's Yours 09:00 World News; British Press Review 09:15 People and Politics 09:45 Sports Review 10:15 Off the Beaten Track 10:30 Religious Service 11:00 World News; News about Britain 11:15 Letter from America 11:30 Play of the Week 12:30 Baker's Half-Dozen 13:00 World News; Commentary 13:15 The Industrial Revolution and the Machine Age 13:30 Short Story 13:45 The Tooy Myatt Request Show 14:30 Gerald C. Foster 15:00 Radio Newsreel 15:15 Concert Hall 16:00 World News; Commentary 16:15 From our own Correspondent 16:35 Financial Review 16:45 Letter from America 17:00 World News; Meridian 17:40 Interlude 17:45 Sportscall 18:00 World News; News about Britain 18:15 Radio Newsreel 18:30 How we listen to Music 19:00 Country Style 19:15 That Bread should Be so Dear 20:00 World News; Commentary 20:15 Letterbox 20:30 Sunday Half-Hour 21:00 Meet... 21:15 The Pleasure's Yours 22:00 World News 22:00 Science in Action 22:40 Reflections 22:45 Sportscall 23:00 World News; Commentary 23:15 Letter from America 23:30 Brain of Britain 1981

VOICE OF AMERICA

- GMT
03:30 The Breakfast Show: 06:30 News on the hour and 28 min. after each hour 17:00 News and New Products (USA) 17:15 Critics' Choice 17:30 Studio One 18:00 Special English: News/Words and their stories, feature "People in

'America' 18:30 Music USA (Standards) 19:00 News and Topical Reports 19:15 News 20:00 Special English: News/Words and their stories 20:15 The Concert Hall 21:00 News and New Products USA 21:15 Critics Choice 21:30 Studio One

AMMAN AIRPORT FOR SUNDAY

Table with columns for ARRIVALS and DEPARTURES listing flight times and destinations.

DEPARTURES:

Table listing departure times and destinations for various airlines.

Table listing contact information for various cultural centres like the French Cultural Centre, Soviet Cultural Centre, etc.

SERVICE CLUBS

Table listing service clubs such as Lions Philadelphia Club, Lions Amman Club, etc.

EMERGENCIES

Table listing emergency services like Ambulance, Fire, Police, etc.

MUSEUMS

Table listing museums such as Folklore Museum, Jordan Archaeological Museum, etc.

PRAYER TIMES FOR SUNDAY

Table listing prayer times for Fajr, Sunrise, Dhahr, etc.

LOCAL EXCHANGE RATES

Table listing exchange rates for various currencies like Saudi riyal, Lebanese pound, etc.

USEFUL TELEPHONE NUMBERS

Table listing useful telephone numbers for Ambulance, Fire, Police, etc.

MARKET PRICES

Table listing market prices for various commodities like Tomatoes, Potatoes, etc.

NATIONAL NEWS BRIEFS

Qattan's mother passes away

AMMAN, Sept. 19 (Petra) — His Majesty King Hussein today...

Irbid folk life museum ready

Sept. 19 (Petra) — The Department of Antiquities here...

39 teachers to be decorated

AMMAN, Sept. 19 (Petra) — Thirty-nine teachers will be...

Ma'an hospital to be upgraded

AMMAN, Sept. 19 (Petra) — The Health Ministry has worked...

Yarmouk plans community courses

Sept. 19 (Petra) — Yarmouk University is organising...

IAEA Vienna meeting set

AMMAN, Sept. 19 (Petra) — The Jordan Electricity Authority...

Social workers set for Baghdad

AMMAN, Sept. 19 (Petra) — The Jordanian social workers'...

Zarqa village gets council

Sept. 19 (Petra) — Zarqa District Governor Salem Al...

Madaba starts cleanup week

AMMAN, Sept. 19 (Petra) — A week-long cleanliness cam-

Rabat seminar on water

AMMAN, Sept. 19 (Petra) — The director of the ground water...

Villages get development loans

AMMAN, Sept. 19 (Petra) — The Development Bank for...

Cost accounting course opens

AMMAN, Sept. 19 (Petra) — The Institute of Public Admin-

One-month term for supply breach

AMMAN, Sept. 19 (Petra) — A Jordanian merchant, Sabri Far-

King reviews plans, projects at municipality

AMMAN, Sept. 19 (Petra) — His Majesty King Hussein today...

Wadi Musa proposes tourist tolls to finance improvement

WADI MUSA, Sept. 19 (Petra) — Wadi Musa Municipality...

Under the plan a foreign tourist coming to Petra within a...

Government ready to tender desert bypass construction

AMMAN, Sept. 19 (Petra) — The Ministry of Public Works...

Arab Common Market trade experts gather

AMMAN, Sept. 19 (Petra) — Experts on foreign trade exchange...

Talbouni condemns Israel at IPU meeting

HAVANA, Sept. 19 (Petra) — Speaker of the Upper House...



Bahjat Al Talbouni

U.K. defence aide due here

AMMAN, Sept. 19 (J.T.) — British Secretary of State...



The first meeting of a seminar on cost accountability Saturday at the institute of Public Administration (Petra photo - see National Briefs)

Tour of Amman modernisation work



King Hussein listens to a briefing by Amman Mayor Issam Ajlouni during his visit to Amman Municipality on Saturday (Petra photo)

Investment co. board meets

AMMAN, Sept. 19 (Petra) — The Arab Investment Company's...



The opening session of the Arab Investment Company's board meeting on Saturday (Petra photo)

South Korean envoy reaches end of term

AMMAN, Sept. 19 (Petra) — South Korean Ambassador to...

Irbid villages' improvement projects funded

IRBID, Sept. 19 (Petra) — The Ministry of Municipal and Rural...

The JD 45,000 school, which will accommodate 900 students...

AMMAN, Sept. 19 (Petra) — Amman Mayor Issam Ajlouni...

Iraqi artist opens exhibition; gallery show to open tonight

AMMAN, Sept. 19 (J.T.) — The second painting exhibition of...

WHAT'S GOING ON

- Film: The French Cultural Centre in Jabal Luweibdeh presents a comedy by Jean Renoir...
Ballet: The Moscow Academic Musical Theatre performs at the Palace of Culture...
Painting exhibitions: By Adibeh F. Al Qadi, at the British Council.
By Juliana Seraphim, at the Jordan National Gallery, Jabal Luweibdeh, at 5 p.m.

ARE YOU...

Staging a play? Putting on a concert? Delivering a lecture? Organising any non-profit activity open to the public? Do you have any kind of event to announce to the Jordan Times' readers? The What's Going On listing is always open to receive entries, preferably written ones, in English or Arabic... free of charge.



Toxic chemicals in the form of pesticides have been a boon in controlling diseases carried by insects and microbes. By reducing sickness and increasing agricultural production, they have made life better for millions of people.

But toxic chemicals in food have also been responsible for several devastating epidemics:

— Over 6,000 people in Iraq were admitted to hospital with food poisoning in an outbreak in 1971-1972. More than 500 of them died. The cause: contaminated bread which had been prepared from cereals treated with alkylmercury fungicides. The pesticide designed to protect a crop had turned into a man-killer.

— Japan has suffered two major epidemics of methylmercury poisoning from the industrial release of mercury compounds into Minamata Bay and the Agano River, followed by accumulation of the mercury by edible fish. At Minamata, the dead bodies of Japanese fishermen contained from 50 to 30,000 times more methylmercury than normal. Some newborn infants at Minamata were found to have 20 to 30 per cent more mercury in their blood corpuscles than their mothers. A foetus has at least four times the sensitivity of an adult to methylmercury. The result: an unusually high proportion of children were born with rare deformities.

— Epidemic Jaundice with a high mortality rate broke out in more than 150 villages in north-west India in 1974. Nearly 100 people died among the 994 who fell ill. The outbreak followed the consumption of badly stored maize. Aflatoxins, producing liver damage, have been detected in groundnuts, maize and tree nuts. The jaundice victims in north-east India could have been exposed to heavy doses of aflatoxins for several weeks. The origin of such toxins; bacteria and moulds which grow in or on food.

Pesticide residues in crops, pollutants taken up by fish and other aquatic organisms from the water, and substances produced by the growth of bacteria or moulds are

just three ways toxic chemicals can enter the human food chain, the 1981 State of the World Environment Report notes.

The latest annual report of the executive director of the United Nations Environment Programme (UNEP), Dr. Mostafa K. Tolba, calls for measures to reduce the levels of toxic chemicals in foods. At the same time, the report presses for more research into how contaminants accumulate and move through the food chain and for research into their effects on human health. The steps should include development of monitoring systems and better control methods, Dr. Tolba advises.

In a special chapter focussing on toxic chemicals and human food

chains, the report says monitoring programmes have so far produced only limited information about the concentrations of substances such as long-lived radio isotopes, persistent organochlorine pesticides, polychlorinated biphenyls (PCBs) and metals in human tissues, selected foodstuffs and wildlife.

"These inadequacies result partly from differences in analytical techniques and the lack of good methods for measuring some contaminants and partly from statistical sampling problems," UNEP reports.

"As a result, general statements about the scale of the food contamination problem are bound to contain various inaccuracies. At the same time, as more evidence of contamination of food with toxic chemicals has been obtained, it has increasingly been realised that knowledge about the hazard to human health posed by many chemicals present in food is inadequate. There is a dearth of reliable information about the

# The double agents of health

long-term risks involved in exposure to most substances," the report says.

"The general public is understandably concerned by the fact that toxicologists are at present unable to give reliable estimates of the risk."

UNEP's Global Environmental Monitoring System (GEMS), in cooperation with the Food and Agriculture Organisation (FAO) and the World Health Organisation (WHO), prepared guidelines in 1979 for establishing or strengthening national programmes to monitor food con-

tamination.

Under a joint programme of the FAO, UNEP and WHO, 20 institutes in different countries are carrying out studies to monitor the contamination of animal feed. The GEMS Food Contamination Monitoring Programme — in which 21 countries are taking part is trying to provide better information on food contamination through its system of international cooperation.

Some pathways for toxic chemicals into the human food chain — and their dangerous effects — are well known. Chemicals present in the soil may be taken up by the roots of plants used as food for man or animals. "The epidemic of chronic cadmium poisoning (Itai-Itai disease) in Japan in the 1940s was caused by the consumption of rice and other foods which were heavily contaminated with cadmium taken up from irrigation water polluted with effluent from a zinc mine," the UNEP study reports.

"There is some evidence that in Sweden the level of cadmium in autumn wheat has increased during the last 50 years, probably due to contamination of the soil with cadmium by deposition from the atmosphere or from phosphate fertilisers," it adds. Cadmium and lead are concentrated within matter taken up by the edible mollusc (mussels and oysters). Fish and other aquatic organisms have shown a marked increase in the level of DDT, PCBs, toxaphene and hydrocarbons in their tissues as a result of contamination of rivers, lakes and coastal waters.

But the causes and effects are not always so easy to measure. Fish can accumulate PCBs, for example. Feeding cows and poultry fishmeal contaminated by

PCBs can transfer the toxin to milk and eggs. PCB poisoning can cause disturbances of the respiratory system, hypersecretion in the eyes, alter pigmentation and result in skin eruptions. It has also been found to produce liver cancer in rats and mice. But in the amounts to which humans are normally exposed, the cancer risk remains uncertain.

Residues of antibiotics, hormones and other drugs used to treat or prevent animal diseases or to promote growth may be present in meat, milk or eggs. The residue levels are usually very low and probably pose little risk to human health, the report agrees. But it adds: "There is concern about the risk of development of pools of antimicrobial-resistant bacteria pathogenic to man or domestic animals."

Preservative agents and antioxidants offer benefit to health because they prevent food from spoiling. But some additives, such as nitrites and sulphur dioxide, can react with other food components, UNEP warns. Certain kinds of food colouring and preservatives produce allergic rashes and asthma in a small fraction of the population, according to a WHO report.

Commercial processing of food and even the preparation of food at home can lead to toxic contamination. Researchers found trace amounts of carcinogenic PAH (polycyclic aromatic hydrocarbons) in smoked and grilled foods though fresh meat and fish contain no detectable amounts of the substance. A Japanese scientific team found that heating of proteins or certain amino acids produced compounds which were mutagenic in bacterial tests and therefore potentially carcinogenic.

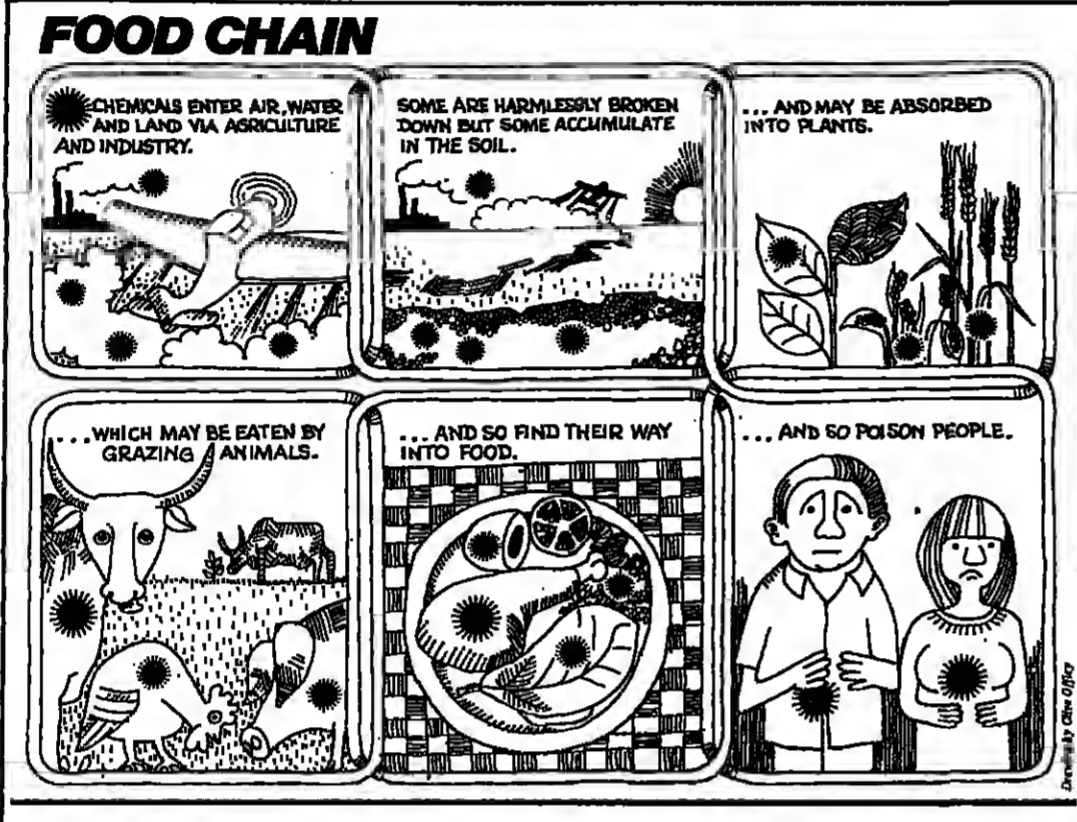


For the general public, food is the major source of exposure to toxic chemicals (UNEP photo)

Tin cans have been shown to contaminate food with tin from the can walls or lead from the soldered side seams. The levels of lead in canned foods are often 5 to 20 times as high as in the fresh food or food packed in other types of container. UNEP points out. But tin contamination can be solved by using plastic linings and lead-soldering eliminated by compression sealing, the report stresses.

The State of the Environment Report says well-organised national systems of food control are needed to ensure the population is not exposed to foods containing dangerous levels of chemical or biological contaminants. "There is also the urgent need to improve sampling techniques and intra-laboratory analytical quality control in the field of food analy-

sis," it says. "Considerable research is necessary in order to establish different pathways and rates of toxic chemicals in the environment, the routes of chemicals in food chains and the hazards resulting from these substances," the UNEP report states. "In the case of many chemicals, it is still not known how far they pose a risk from exposure to very low concentrations over a lifetime." "And finally, there is the need for much better international cooperation to obtain further agreement to restrict the use of toxic chemicals in agriculture and to limit atmospheric pollution by chemicals which can affect food production and the levels of toxic substances in food." UNEP News Feature



# JORDAN MARKETPLACE

<h3>RESTAURANTS &amp; BARS</h3>	<h3>TRANSPORTATION</h3>	<h3>AQABA</h3>			
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# Mystery surrounds Springboks' U.S. tour

**JO, Sept. 19 (R)** — Seeded the opening game with African rugby tour of the United States today with a refusal to disclose the details of an attempt to thwart their demonstrators. Rugby officials insisted the tour go ahead, despite a boycott by the Organisation of African States (OAS) and the Organisation of African Unity (OAU) yesterday for a boycott against the tour. It was not immediately clear whether the boycott would affect the 1984 Olympics games.

The African team slipped to the United States last week from New Zealand, their two-month tour the worst demonstrations in the nation's history. The opening game of their tour against the United States is to be played against a team somewhere in the area.

There was uncertainty over 24 hours whether the game actually be held.

The Nollman of the Midway Union told Reuters: "It was not clear if it was to be scrapped."

The African team manager, C. J. Classen said: "We have a game tomorrow. I said the media would be told where the game was held and that only the local select band of speculators would be given the secret."

Organisers fear demonstrators could flare into violence. A group said it intended to surround the crowd and prevent the game.



Anti-Springbok rugby tour protesters with "stop apartheid sports" placards marching outside Chicago Athletic Association building where team is reportedly staying (A.P. Wirephoto)

## 's comeback fight for December

**BRK, Sept. 19 (R)** — The date of a heavyweight boxing fight between former world champion Muhammad Ali and challenger Trevor Berbick today will be held in the Bahamas, early in the 2-round bout was first scheduled at a press conference September 1. Ali gave the date of the December 2.

Ali, three times world champion, will be 40 on January 17, 27-year-old Berbick, who now lives in Nova Scotia, attended the press conference today. Reporters said the date was still indefinite.

Ali, who has not fought since his humiliating defeat by World Boxing Council (WBC) champion Larry Holmes on October 2 last year, repeated today everything that he had said at the earlier press conference.

"I'm coming back because it is possible that I can win the title a fourth time," Ali said. "I'll shock the world again. Remember (Sonny) Liston? Remember (George) Foreman? Ten years later, after Liston, I beat Foreman when nobody gave me a chance."

A spokesman for the promoters declined to say what purses Ali and Berbick would receive.

The committee said in a statement it was a matter of special concern that the South African team was being made welcome in one of the host nations for the 1984 Olympics.

It said it would give full support to African protesters against the tour but made no mention of a boycott of the 1984 summer Olympics in Los Angeles.

The committee, headed by Sergei Pavlov, chairman of the State Sports Committee, dismissed suggestions that as rugby was not an Olympic sport the tour was unrelated to the 1984 games.

"The government of the country hosting the Olympics has to give a guarantee that it will fully observe the rules of the Olympic charter in the period of preparation for the games," it added.

"The entire responsibility for this shameful action rests on its organisers," it said.

## Ipswich shrug off UEFA Cup defeat

**LONDON, Sept. 19 (R)** — Ipswich, shrugging off a midweek flop in the UEFA Cup, pulled off a striking 4-1 win over Notts County at Nottingham today to challenge the leaders in the English soccer championship.

West Ham, the unbeaten leaders, were held to a goalless draw at West Bromwich, and remain above Ipswich only on goal difference.

Swansea, like West Ham newly-promoted from Division Two, went down 1-0 to Manchester United and drop down from second place.

Liverpool and Aston Villa, England standard-bearers in the European Cup, played a goalless draw in which Liverpool's ex-England midfielder Ray Kennedy was ordered off for crude retaliation eight minutes from time.

Alan Brazil, not fully fit, began and ended the Ipswich scoring. His fellow-Scot John Wark made it 2-0 and Dutch star Arnold Muhren scored midway through the second half.

For good measure, Ipswich contributed the Notts goal — an own goal by Russell Osman which briefly made the deficit look less formidable.

It was a stark contrast to the lackluster defection of their UEFA Cup in midweek when Ipswich were lucky to share two goals with the Scots of Aberdeen.

Birmingham, starting the day two points off the bottom, beat high-spending Manchester City 3-0, thanks to Tony Evans. He scored within two minutes of the start of each half and made good his hat-trick with 12 minutes to spare.

Both London clubs who are European aspirants added good league results to first leg wins in Europe in midweek. Arsenal held Leeds to a goalless draw and their neighbours Tottenham beat Everton 3-0.

Everton held out for 64 minutes before Graham Roberts made the break, leaving time for Chris Hughton and a Glenn Hoddle penalty to underline Spurs' mastery.

## S. Korea to send delegation to IOC meeting discussing Olympics venue

**SEOUL, Sept. 19 (R)** — South Korea wants to stage the 1988 Olympic Games and is sending a six-man delegation to an International Olympic Committee (IOC) meeting in West Germany later this month to put its case. Seoul Mayor Park Young-Su said today.

Mr. Park told a press conference that the South Korean capital, competing with the Japanese city of Nagoya for the right to stage the Olympics, was fully capable of being the venue of the games. Sixty per cent of the necessary facilities had been built.

The IOC is due to vote on the venue at the Baden-Baden meeting. Japan had already held the games, Mr. Park said. Although South Korea had no diplomatic relations with communist nations, it would guarantee free entry to athletes and officials of all IOC member nations.

## English cricket season ends

**LONDON, Sept. 19 (A.P.)** — The English cricket season came to close yesterday night when Lancashire won the first-ever floodlit Lambert and Butler Cup at Chelsea Soccer Stadium in West London.

A sparse crowd of under 3,000 turned up for the seven-a-side 10-overs knock-out competition but were treated to a dazzling display of hitting by West Indian Clive Lloyd who scored 83 not out in the final against Leicestershire and earned his county the top prize of £2,500.

Lloyd had earlier cracked another 81 in the semi-final against Somerset proving that, at 37, he is still one of the finest batsmen in the world.

Lancashire scored 151 for 3 in the final, making the opposition score more than 15 runs an over to win. Leics reached 136-4, 15 runs short of victory. West Indian Andy Roberts scored 52 not out.

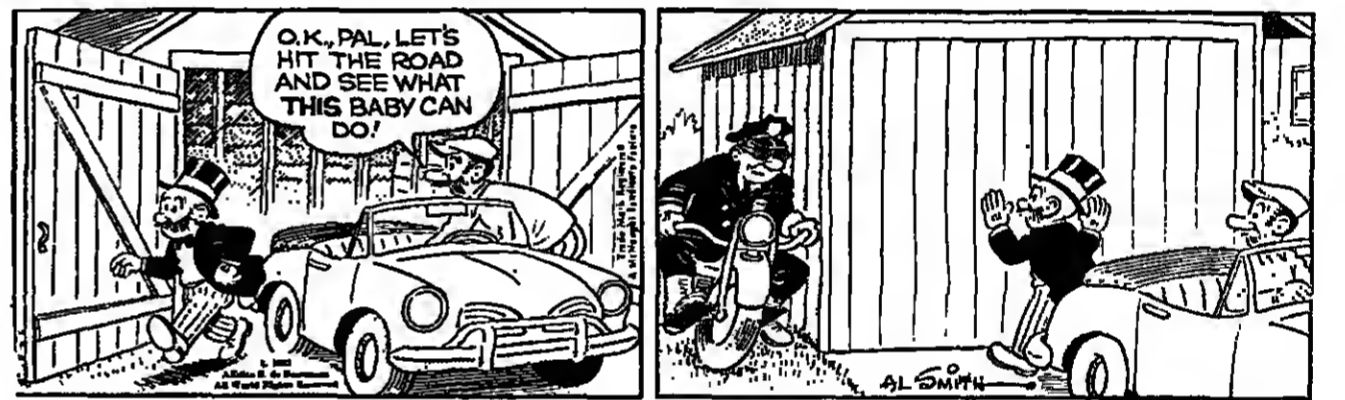
## Peanuts



## Andy Capp



## Mutt 'n' Jeff



## GOREN BRIDGE

CHARLES H. GOREN  
By Chicago Tribune

partner's hand is a bear. Just you could end up losing a multitude of tricks in your suit, but the no trump game might be impregnable if partner holds a decent minor.

Here's another example: ♠AQxxx ♥x ♦KQJx ♣xxx

You open the bidding with one spade and partner responds four clubs. That is a spinter bid showing a singleton club and the values for a raise to three spades. How do you like your hand now?

Your minimum opening bid has suddenly grown in stature. Bid Blackwood and, if partner shows two aces, contract for slam. He probably has the king of trumps, which makes six spades a virtual laydown, hot, at worst, the hand should depend on a finesse.

However, let's assume that partner responds four diamonds instead, showing a singleton diamond. Now all your diamond values represent duplication, and even four aces could be defeated off the top.

The great English writer, S.J. Simon posed an interesting problem. Sitting South, the auction proceeded something like:

West North East South  
1 ♠ 2 ♦ 2 ♠ Pass  
3 ♣ 4 ♠ 5 ♠ Pass  
Pass 6 ♠ Pass ?

You hold:  
♠Kxx ♥Kxxx ♦Kx ♣xxx

What do you bid now?

Simon maintained that the only right bid was seven hearts. Partner forced you to choose between the major suits at the six-level despite the fact that he was missing the king of spades. Obviously, he expected to make twelve tricks without the king of spades. Therefore, with it you should be able to make thirteen tricks.

question has been asked the weekly prize. Your failure is the incentive to recognize what is in the trade value. That is a term to describe a simple phenomenon. The bidding progresses, due to the hand in, and decreases, depending on whether your cards are fit, whether a duplication of values.

Look at a couple of extra. Suppose you hold:  
♠Kx ♥AKJx ♦AQ ♣AQ

have a very fine hand. You play with a demand bid to spades. Partner bids two no trump and bid three hearts. Part-bids three spades. Do you look for slam? The only answer is "no," but if you go "yes," and you certainly should try three hearts. Partner's first bid is negative, showing more than 7 points. His second bid was a simple raise, again denying a king of value. If

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**THE BETTER HALF** By Vinson

**JUMBLE** THAT SCRAMBLED WORD GAME  
by Henri Arnold and Bob Lee

Unscramble these four Jumbles, one letter to each square, to form four ordinary words.

BISCA  
HOYNE  
DEXOUS  
LAGYAX

WHAT THE GIRLS SAID THAT HANDSOME SPRINTER WAS.

Now arrange the circled letters to form the surprise answer, as suggested by the above cartoon.

Print answer here: "OOOOOOOO!"

(Answers tomorrow)

Yesterday's Jumbles: ACUTE VENOM FEUDAL BENIGN  
Answer: Spoken somewhat coldly—"VO-ICE-D"

**FORECAST FOR SUNDAY, SEPT. 20, 1981**

**YOUR DAILY Horoscope**  
from the Carroll Righter Institute

GENERAL TENDENCIES: A good day to be alert to all that is going on about you for your reasoning powers are excellent now. There are strong influences that can help you gain your objectives today.

**ARIES (Mar. 21 to Apr. 19)** Study your finest aims and plan the future more intelligently. Take time to engage in favorite hobby with congenials.

**TAURUS (Apr. 20 to May 20)** Consult friends who can give you valuable information now. Make plans that can improve your financial position.

**GEMINI (May 21 to June 21)** You would do well to consult influential persons for advice you need at this time. Take no chances with your reputation.

**MOON CHILDREN (June 22 to July 21)** Step out of that dull routine you are in and engage in new activities that will improve your present status.

**LEO (July 22 to Aug. 21)** Follow your hunches which could prove most helpful now. Be alert and take advantage of new opportunities.

**VIRGO (Aug. 22 to Sept. 22)** Make plans to have more security in the future. Become more aware of present trends. Take needed health treatments.

**LIBRA (Sept. 23 to Oct. 22)** Plan how to extend your activities so you can gain more benefits in the days ahead. Try to improve conditions around you.

**SCORPIO (Oct. 23 to Nov. 21)** Make plans to gain your most cherished aims and then carry through in fine fashion. Show that you are thoughtful.

**SAGITTARIUS (Nov. 22 to Dec. 21)** Elevate your thoughts so that you can make greater progress in the future. Strive for happiness.

**CAPRICORN (Dec. 22 to Jan. 20)** Talk with influential persons who can help you advance in your line of endeavor. Take advantage of an opportunity.

**AQUARIUS (Jan. 21 to Feb. 19)** Make plans to have greater income in the future. Study ways to increase your efficiency in career activities.

**PISCES (Feb. 20 to Mar. 20)** Focus your sights on plans that can increase your income in the days ahead. Don't let outside affairs deter your progress.

**IF YOUR CHILD IS BORN TODAY** . . . he or she will be able to become most successful in life if more attention is given to gain knowledge. Be sure to equip your progeny with a fine education. There is the ability here to teach others. Don't neglect ethical training.

"The Stars impel, they do not compel." What you make of your life is largely up to you!

**THE Daily Crossword** By Hugh McElroy

<b>ACROSS</b> 1 Gym pad 4 Humiliate 9 Broadway musical 13 Game from India 14 Sellers 15 Alt. pref. 18 Alpine peak 18 Cross 19 Informer, in gang language 20 Stupid 22 Split the beans 24 Seaman 25 Manly 29 Cut down the light 31 Dark time	35 Lets 37 Hiatus 39 Pouting lips 40 Row of seats 41 Theater worker 43 Hes to 44 Author Hunter 45 Hiss' relative 46 Threat phrase 48 Noted horse race 50 Medics 52 Singer Nelson and family 53 Fate	55 "— et semper" 57 Pungent solution 61 Atomic particles 66 Tabby's cry 67 Old film of Africa 69 Glass sheet 70 Washed powder 71 River of Europe 72 Headliner 73 Polishing powder 74 Si or ou	17 Arm part 21 Author Fleming 23 Little (battle site) 25 Made a chess move 26 Surviving 27 Lucid 28 Captain Horatio 30 West 32 Elliott of films 33 Shady lady, to Grandma 34 Head; Fr. 38 U-boat 38 PGA member 42 Turf 47 Happen again 49 Hitler's pal 51 Breek 54 Deme or Count 56 Indigent 57 Elic. unit 58 Beef 59 Actress Freeman 60 "My Name is —" 62 Pronoun 63 Movie part 64 Globe 65 Comp. pt. 68 "— Maria"
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Yesterday's Puzzle Solved:

DELTA	BEARS	SLIP
THREAT	QUALITY	UNITE
STRIVE	SUBJECT	UNITED
ANTHROPOLOGICAL	AGED	
SALSA	LURERS	
REALITY	TRIP	
ACUTE	VENOM	FEUDAL
HEAVY	THESE	WORLD
TUNING	ASSET	COVER
LEAST	GOITRE	
DEMAN	OSAR	
DIED	SQUARED	DIAL
WORLD	AUTOPHAGISTIC	
OLIVE	TIEUP	QUEST
BELLE	ETRE	NEEDS

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